	Name	Duration	Start	Finish	Pred...	
1	**Analysis Phase**	**19.438 day...**	**5/4/20 8:00 AM**	**5/23/20 11:30...**		
2	**Planning**	**10.438 day...**	**5/4/20 8:00 AM**	**5/14/20 11:30...**		
3	Select Project title	1 day?	5/4/20 8:00 AM	5/4/20 5:00 PM		
4	Define project scope	1 day?	5/5/20 8:00 AM	5/5/20 5:00 PM	3	
5	Work Break Down Struture	1 day?	5/6/20 8:00 AM	5/6/20 5:00 PM	4	
6	Grantt Chart	1 day?	5/7/20 8:00 AM	5/7/20 5:00 PM	5	
7	Prepare project proposal	3 days?	5/7/20 8:00 AM	5/9/20 5:00 PM	5	
8	Prepare Video	1 day?	5/10/20 8:00 AM	5/10/20 5:00 PM	7	
9	Proposal & Video Submition	1 day	5/11/20 8:00 AM	5/11/20 5:00 PM	8	
10	Proposal Defense	1 day	5/13/20 11:30 AM	5/14/20 11:30 AM	9	
11	**Analysis**	**3 days?**	**5/14/20 11:30 ...**	**5/17/20 11:30...**		
12	User story	3 days?	5/14/20 11:30 AM	5/17/20 11:30 AM	10	
13	Requirement Analysis	2 days	5/14/20 11:30 AM	5/16/20 11:30 AM	10	
14	**Leterature review**	**9 days**	**5/14/20 11:30 ...**	**5/23/20 11:30...**		
15	Stuttered Speech Detection	2 days	5/14/20 11:30 AM	5/16/20 11:30 AM	10	
16	Research on ML model	2 days	5/16/20 11:30 AM	5/18/20 11:30 AM	15	
17	Research on features	2 days	5/18/20 11:30 AM	5/20/20 11:30 AM	16	
18	Research on training model	1 day	5/20/20 11:30 AM	5/21/20 11:30 AM	17	
19	Research on Framework	1 day	5/21/20 11:30 AM	5/22/20 11:30 AM	18	
20	Development Methodology	1 day	5/22/20 11:30 AM	5/23/20 11:30 AM	19	
21	**Define scope**	**1 day?**	**5/21/20 11:30 ...**	**5/22/20 11:30...**		
22	Scope of ML	1 day?	5/21/20 11:30 AM	5/22/20 11:30 AM	18	
23	Scope of App	1 day?	5/21/20 11:30 AM	5/22/20 11:30 AM	18	
24	**Sprint 1**	**20 days?**	**5/22/20 11:30 ...**	**6/11/20 11:30...**		
25	Review and fix analysis phase	3 days	5/22/20 11:30 AM	5/25/20 11:30 AM	23	
26	**Design**	**3 days?**	**5/25/20 11:30 ...**	**5/28/20 11:30...**		
27	High system level design	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25	
28	Architecture Diagram	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25	
29	Select Hardware & Software	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25	
30	Mid Sem Checkpoint	1 day?	5/26/20 11:30 AM	5/27/20 11:30 AM	29	
31	UI Design	1 day	5/27/20 11:30 AM	5/28/20 11:30 AM	30	
32	**Coding**	**7 days**	**5/28/20 11:30 ...**	**6/4/20 11:30 ...**		
33	Data preparation	2 days	5/28/20 11:30 AM	5/30/20 11:30 AM	31	
34	Audio preprocessing	3 days	5/30/20 11:30 AM	6/2/20 11:30 AM	33	
35	Build neural network	2 days	6/2/20 11:30 AM	6/4/20 11:30 AM	34	
36	**Testing & Debug**	**4 days**	**6/4/20 11:30 AM**	**6/8/20 11:30 ...**		
37	Test audio preprocessing	2 days	6/4/20 11:30 AM	6/6/20 11:30 AM	35	
38	Test neural network	2 days	6/6/20 11:30 AM	6/8/20 11:30 AM	37	
39	**Review**	**3 days?**	**6/8/20 11:30 AM**	**6/11/20 11:30...**		
40	Prepare test report	2 days	6/8/20 11:30 AM	6/10/20 11:30 AM	38	
41	Final presentation	1 day?	6/10/20 11:30 AM	6/11/20 11:30 AM	40	
42	**Sprint 2**	**18 days?**	**6/11/20 11:30 ...**	**6/29/20 11:30...**		
43	Review and fix sprint 1	3 days	6/11/20 11:30 AM	6/14/20 11:30 AM	41	
44	**Design**	**2 days**	**6/14/20 11:30 ...**	**6/16/20 11:30...**		
45	Diagram modeling	2 days	6/14/20 11:30 AM	6/16/20 11:30 AM	43	
46	**Coding**	**10 days**	**6/16/20 11:30 ...**	**6/26/20 11:30...**		
47	Build Neural Network	3 days	6/16/20 11:30 AM	6/19/20 11:30 AM	45	
48	Train neural network	5 days	6/19/20 11:30 AM	6/24/20 11:30 AM	47	
49	Intergrate with sprint1	2 days	6/24/20 11:30 AM	6/26/20 11:30 AM	48	
50	**Testing & debug**	**3 days?**	**6/26/20 11:30 ...**	**6/29/20 11:30...**		
51	Unit testing	2 days	6/26/20 11:30 AM	6/28/20 11:30 AM	49	

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	Name	Duration	Start	Finish	Pred...
52	System testing	1 day?	6/28/20 11:30 AM	6/29/20 11:30 AM	51
53	**Review**	**1 day**	**6/28/20 11:30 ...**	**6/29/20 11:30...**	
54	Prepare test report	1 day	6/28/20 11:30 AM	6/29/20 11:30 AM	51
55	**Sprint 3**	**16 days?**	**6/29/20 11:30 ...**	**7/15/20 11:30...**	
56	Review & Fix sprint 2	1 day?	6/29/20 11:30 AM	6/30/20 11:30 AM	54
57	**Design**	**2 days?**	**6/30/20 11:30 ...**	**7/2/20 11:30 ...**	
58	prepare test plan	1 day?	6/30/20 11:30 AM	7/1/20 11:30 AM	56
59	refine diagram	1 day?	7/1/20 11:30 AM	7/2/20 11:30 AM	58
60	**Coding**	**10 days**	**7/2/20 11:30 AM**	**7/12/20 11:30...**	
61	Build Wavenet	3 days	7/2/20 11:30 AM	7/5/20 11:30 AM	59
62	Train wavenet	5 days	7/5/20 11:30 AM	7/10/20 11:30 AM	61
63	Evalutate wavenet	2 days	7/10/20 11:30 AM	7/12/20 11:30 AM	62
64	**Testing & Debug**	**2 days**	**7/12/20 11:30 ...**	**7/14/20 11:30...**	
65	Unit testing	2 days	7/12/20 11:30 AM	7/14/20 11:30 AM	63
66	**Review**	**1 day?**	**7/14/20 11:30 ...**	**7/15/20 11:30...**	
67	Prepare testing report	1 day?	7/14/20 11:30 AM	7/15/20 11:30 AM	65
68	**Sprint 4**	**35 days?**	**7/15/20 11:30 ...**	**8/19/20 11:30...**	
69	Review & Fix sprint3	3 days	7/15/20 11:30 AM	7/18/20 11:30 AM	67
70	**Analysis**	**8 days**	**7/18/20 11:30 ...**	**7/26/20 11:30...**	
71	Research on app development	4 days	7/18/20 11:30 AM	7/22/20 11:30 AM	69
72	Research on deploying ML	4 days	7/22/20 11:30 AM	7/26/20 11:30 AM	71
73	**Design**	**3 days**	**7/26/20 11:30 ...**	**7/29/20 11:30...**	
74	Diagram modeling	3 days	7/26/20 11:30 AM	7/29/20 11:30 AM	72
75	**Coding**	**14 days**	**7/29/20 11:30 ...**	**8/12/20 11:30...**	
76	Build App	7 days	7/29/20 11:30 AM	8/5/20 11:30 AM	74
77	Deploy ML	4 days	8/5/20 11:30 AM	8/9/20 11:30 AM	76
78	Intergrate App and ML	3 days	8/9/20 11:30 AM	8/12/20 11:30 AM	77
79	**Testing & Debug**	**7 days?**	**8/12/20 11:30 ...**	**8/19/20 11:30...**	
80	Unit Testing	2 days	8/12/20 11:30 AM	8/14/20 11:30 AM	78
81	Integration Testing	2 days	8/14/20 11:30 AM	8/16/20 11:30 AM	80
82	System Testing	2 days	8/16/20 11:30 AM	8/18/20 11:30 AM	81
83	User acceptance testing	1 day?	8/18/20 11:30 AM	8/19/20 11:30 AM	82